

ATTACHMENT 1

PAINT SCHEME, SIGNAGE, AND DECALS

FOR

**PROCUREMENT OF 40 FT LOW-FLOOR
BATTERY ELECTRIC BUSES**

SPECIFICATION NO. VE21-054



Massachusetts Bay Transportation Authority
Vehicle Engineering
Boston, Massachusetts

A. General

The following Attachment details the paint colors, paint scheme, and signage/decals/placards (interior and exterior) required for each Bus.

Colors and paint scheme shall be in accordance with Authority Drawings provided.

As part of their proposal, the Contractor shall provide three conceptual paint schemes promoting 'green' battery electric buses while highlighting Authority branding and service area.

Following NTP, the Contractor shall develop and present three paint scheme drawings of the exterior of the bus (utilizing the attached Paint Scheme drawings as the base concept), along with their three 'green' bus paint schemes, for Authority review, selection and approval as part of the Pre-Production Meetings **(CDR 11)**.

The Contractor shall propose a neutral interior panel color complimentary to, and consistent with, the Authority's color scheme for Authority review and approval during the Pre-Production Meetings **(CDR 11)**.

The Contractor shall prepare a paint coating and application document containing procedures for surface cleaning and preparation, priming, surfacing, and painting for the coach body and all equipment that is painted or powder coated. A detailed paint schedule showing the equipment painted, paint type and manufacturers, recommended thickness, and other pertinent information shall also be included. This document shall be submitted for review and Authority approval during the Pre-Production Meetings **(CDR 11)**.

All interior/exterior signage, decals, and placards, shall be in accordance with specifications included within this section and shall be supplied by Seifert Transit Graphics or Authority approved equal. The decal design configuration shall be proposed by the Contractor for review and Authority approval during the Pre-Production Meetings **(CDR 11)**. **Decals and placard installation locations shall be finalized as part of the First Article Inspection (FAI).**

The Contractor shall include the final approved paint and decal design in maintenance and parts manuals.

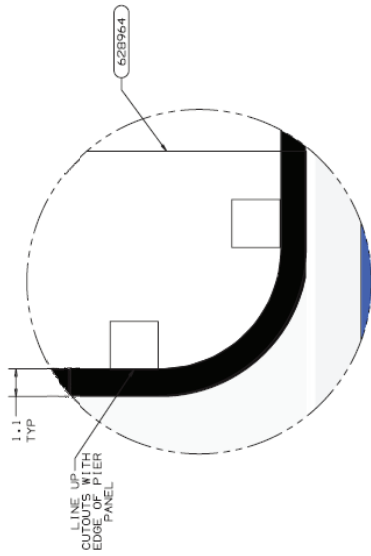
B. Contractor Design Review Submittal

The contents of the paint scheme and decal/signage submittal shall include the following:

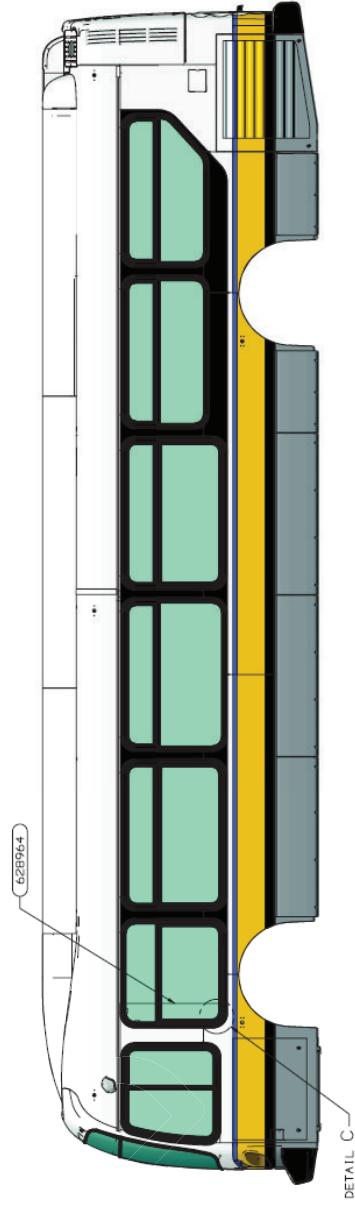
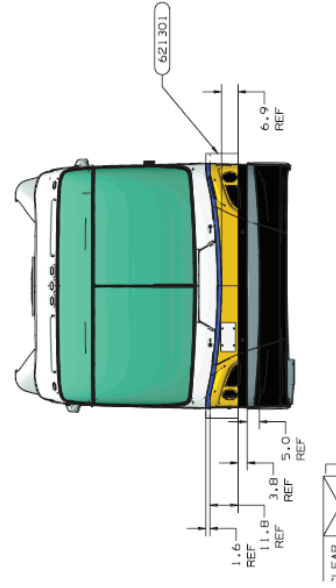
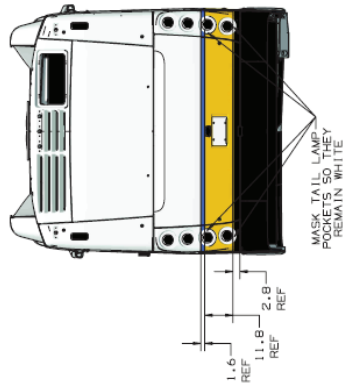
- 1) Three alternative paint scheme drawing proposals based upon existing five color paint scheme
- 2) Three conceptual paint schemes promoting 'green' battery electric buses while highlighting Authority branding and service area.

- 3) Confirmation of decal/signage quantities, specifications, and samples, of representative decals
- 4) Decal/signage design configuration and drawings, including dimensions and overview of decal/signage location on interior and exterior of bus

C. Authority Paint Scheme



DETAIL C
SCALE 1:12



D. Decal Reference Guide



ELECTRIC BUS GRAPHICS REFERENCE GUIDE



REVISION HISTORY

11-04-21 REV NR INITIAL RELEASE

FOR CHANGES OR UPDATES CONTACT:

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Customer Service Department
315-736-2744
cst@seifertgraphics.com



Massachusetts Bay Transportation Authority

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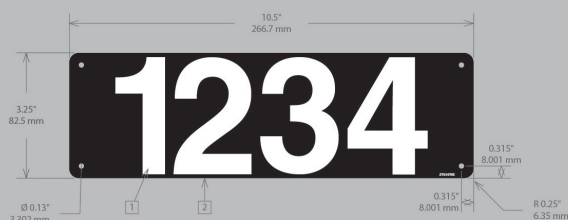
EXTERIOR POSTER 16



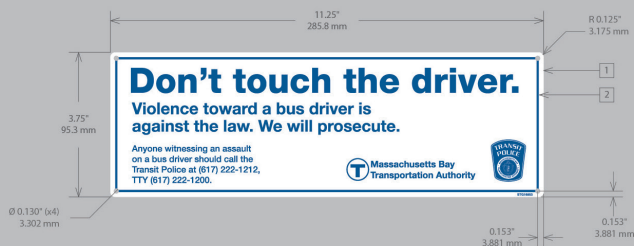
ELECTRIC BUS

INTERIOR

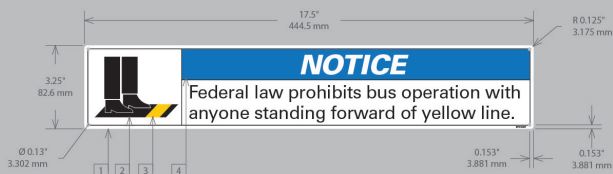
STANDARD DECAL KIT

**STG16705**

2 PER BUS

DESCRIPTION: 3" FLEET NUMBER - PLATE**SIZE:** 10.5" X 3.25"**FINISH/MATERIAL:** PLATE**STG16853**

1 PER BUS

DESCRIPTION: ASSAULTING BUS DRIVER/DO NOT TOUCH DRIVER - PLATE**SIZE:** 11.25" X 3.75"**FINISH/MATERIAL:** PLATE**STG16887**

1 PER BUS

DESCRIPTION: NOTICE PROHIBIT STANDING YELLOW LINE - PLATE**SIZE:** 17.5" X 3.25"**FINISH/MATERIAL:** PLATE**STG16904**

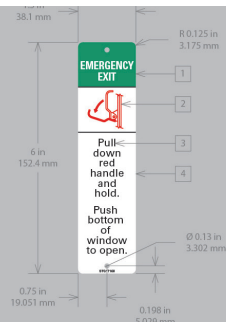
1 PER BUS

DESCRIPTION: USE OF ELECTRONICS PROHIBITED - PLATE**SIZE:** 4.75" X 3.25"**FINISH/MATERIAL:** PLATE**STG17165**

1 PER BUS

DESCRIPTION: MANUAL FIRE SUPPRESSION - PLATE**SIZE:** 11" X 3.5"**FINISH/MATERIAL:** PLATE**STG17167**

4 PER BUS

DESCRIPTION: SECURITY CAMERAS IN OPERATION - PLATE**SIZE:** 6.5" X 4.5"**FINISH/MATERIAL:** PLATE**STG17168**

4 PER BUS

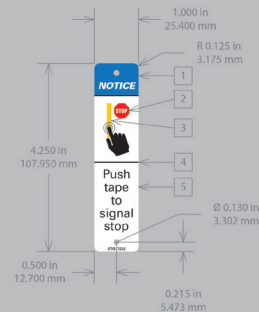
DESCRIPTION: EMERGENCY EXIT - PLATE**SIZE:** 1.5" X 6"**FINISH/MATERIAL:** PLATE**STG17169**

2 PER BUS

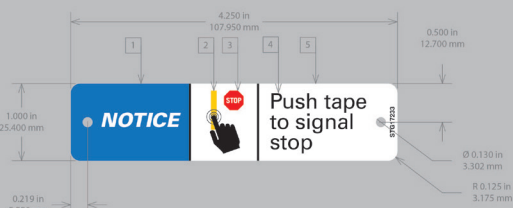
DESCRIPTION: EMERGENCY EXIT REAR DOOR - PLATE**SIZE:** 5" X 2.5"**FINISH/MATERIAL:** PLATE

**STG17171**

3 PER BUS

DESCRIPTION: EMERGENCY EXIT INSTRUCTIONS - PLATE**SIZE:** 5" X 2.5"**FINISH/MATERIAL:** PLATE**STG17232**

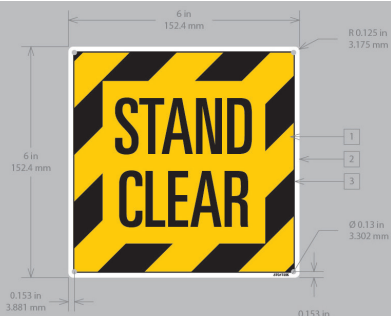
14 PER BUS

DESCRIPTION: PUSH TAPE TO SIGNAL STOP - PLATE (VERTICAL)**SIZE:** 1" X 4.25"**FINISH/MATERIAL:** PLATE**STG17233**

1 PER BUS

DESCRIPTION: PUSH TAPE TO SIGNAL STOP - PLATE (HORIZONTAL)**SIZE:** 4.25" X 1"**FINISH/MATERIAL:** PLATE**STG17234**

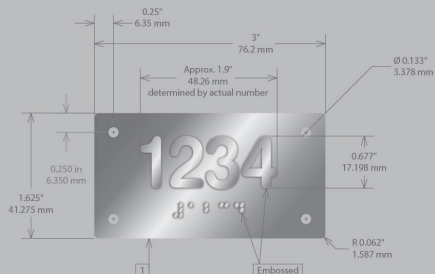
3 PER BUS

DESCRIPTION: STAY SEATED FREQUENT STOPS - PLATE**SIZE:** 6.5" X 4.5"**FINISH/MATERIAL:** PLATE**STG17235**

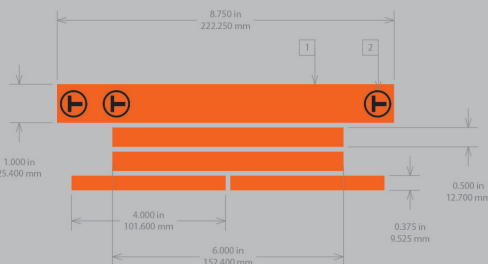
4 PER BUS

DESCRIPTION: STAND CLEAR - PLATE**SIZE:** 6" X 6"**FINISH/MATERIAL:** PLATE**STG17236**

1 PER BUS

DESCRIPTION: FASTEN SEATBELT - PLATE**SIZE:** 4.75" X 1.5"**FINISH/MATERIAL:** PLATE**STG17241**

2 PER BUS

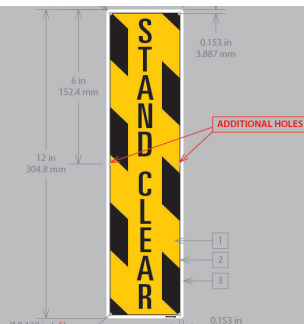
DESCRIPTION: BRAILLE FLEET NUMBER - PLATE (4 HOLES)**SIZE:** 3" X 1.625"**FINISH/MATERIAL:** PLATE**STG17249**

1 PER BUS

DESCRIPTION: MBTA TELEPHONE DECALS**SIZE:** 9" X 3"**FINISH/MATERIAL:** GLOSS VINYL DECAL

**STG17427**

1 PER BUS

DESCRIPTION: DO NOT RESERVE SEATS - PLATE**SIZE:** 11.25" X 3.75"**FINISH/MATERIAL:** PLATE**STG17540**

2 PER BUS

DESCRIPTION: STAND CLEAR - PLATE (VERTICAL)**SIZE:** 12" X 3"**FINISH/MATERIAL:** PLATE**STG17542**

3 PER BUS

DESCRIPTION: CAUTION WATCH YOUR STEP - PLATE (EXTRA HOLES)**SIZE:** 11.25" X 3"**FINISH/MATERIAL:** PLATE**STG53018**

1 PER BUS

DESCRIPTION: DO NOT MOVE OR PARK BUS - PLATE**SIZE:** 11.5" X 3"**FINISH/MATERIAL:** PLATE**STG53059**

3 PER BUS

DESCRIPTION: WATCH YOUR STEP - PLATE**SIZE:** 11.25" X 3"**FINISH/MATERIAL:** PLATE**STG53063**

3 PER BUS

DESCRIPTION: CAUTION STAND CLEAR OF DOORS - PLATE**SIZE:** 10" X 2.5"**FINISH/MATERIAL:** PLATE**STG53065**

1 PER BUS

DESCRIPTION: WARNING DO NOT CROSS IN FRONT OF BUS - PLATE**SIZE:** 7.5" X 3"**FINISH/MATERIAL:** PLATE**STG53066**

1 PER BUS

DESCRIPTION: FIRE EQUIPMENT - PLATE**SIZE:** 8" X 2.25"**FINISH/MATERIAL:** PLATE



STG53067

1 PER BUS

DESCRIPTION: NOTICE DO NOT PLACE ITEMS HERE - PLATE

SIZE: 6" X 2.5"

FINISH/MATERIAL: PLATE



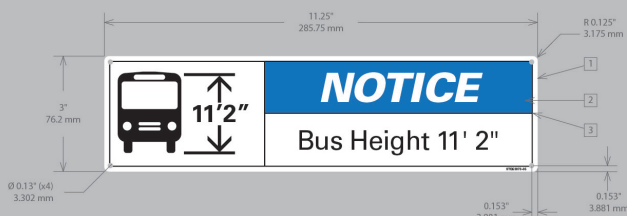
STG53068

1 PER BUS

DESCRIPTION: CAUTION PLATFORM RISES FOR WHEELCHAIR RAMP - PLATE

SIZE: 7.25" X 5.75"

FINISH/MATERIAL: PLATE



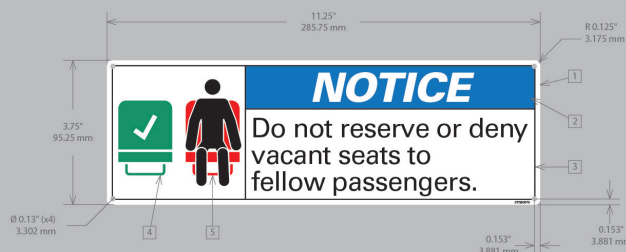
STG53070-05

1 PER BUS

DESCRIPTION: BUS HEIGHT 11' 2" - PLATE

SIZE: 11.25" X 3"

FINISH/MATERIAL: PLATE



STG53075

1 PER BUS

DESCRIPTION: DO NOT RESERVE SEATS - PLATE

SIZE: 11.25" X 3.75"

FINISH/MATERIAL: PLATE



STG53080

2 PER BUS

DESCRIPTION: NOTICE NO SMOKING - PLATE

SIZE: 8.5" X 3.25"

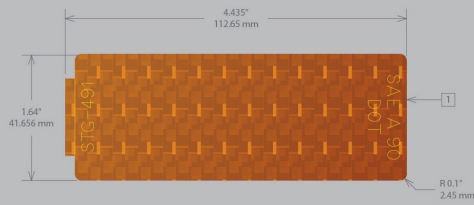
FINISH/MATERIAL: PLATE



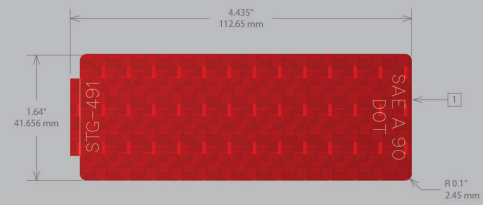
ELECTRIC BUS

EXTERIOR

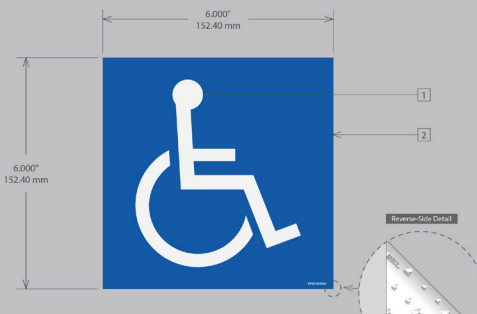
STANDARD DECAL KIT

**STG10146**

3 PER BUS

DESCRIPTION: AMBER REFLECTOR**SIZE:** 4.435" X 1.64"**FINISH/MATERIAL:** RETROREFLECTOR DECAL**STG10147**

3 PER BUS

DESCRIPTION: RED REFLECTOR**SIZE:** 4.435" X 1.64"**FINISH/MATERIAL:** RETROREFLECTOR DECAL**STG13945SR**

2 PER BUS

DESCRIPTION: ADA WHEELCHAIR ICON**SIZE:** 6" X 6"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG14212**

1 PER BUS

DESCRIPTION: MBTA FLEET NUMBERS - 4-DIGIT**SIZE:** 22"**FINISH/MATERIAL:** GLOSS VINYL DECAL**STG16706**

1 PER BUS

DESCRIPTION: HOW AM I DRIVING CALL (PHONE NUMBER)**SIZE:** 12.5" X 5"**FINISH/MATERIAL:** GLOSS VINYL DECAL**STG16713-36**

1 PER BUS

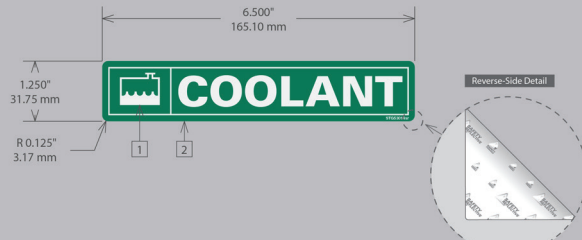
DESCRIPTION: SEATS 36**SIZE:** 6.88" X 1"**FINISH/MATERIAL:** GLOSS VINYL DECAL**STG16884**

4 PER BUS

DESCRIPTION: MBTA FLEET NUMBERS - 4-DIGIT**SIZE:** 4.5"**FINISH/MATERIAL:** GLOSS VINYL DECAL**STG17173-01**

1 PER BUS

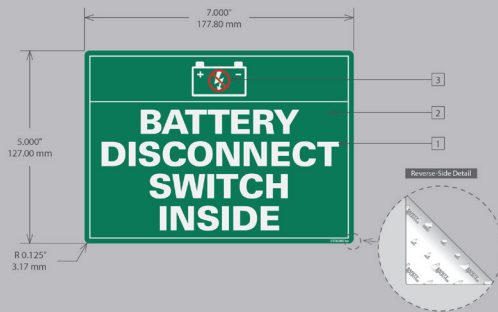
DESCRIPTION: BUS HEIGHT - 10'-10"**SIZE:** 13.46" X 5"**FINISH/MATERIAL:** GLOSS VINYL DECAL

**STG53014SR**

1 PER BUS

DESCRIPTION: ANSI COOLANT**SIZE:** 6.5" X 1.25"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53026SR**

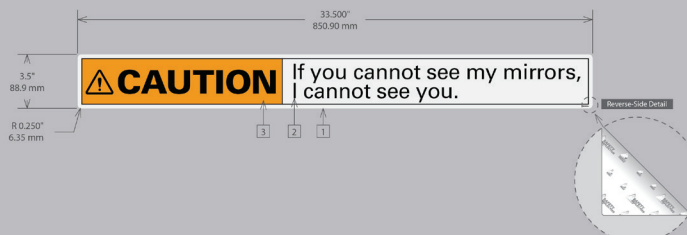
1 PER BUS

DESCRIPTION: NOTICE UPON REQUEST OPERATOR WILL LOWER BUS**SIZE:** 7.5" X 3"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53028SR**

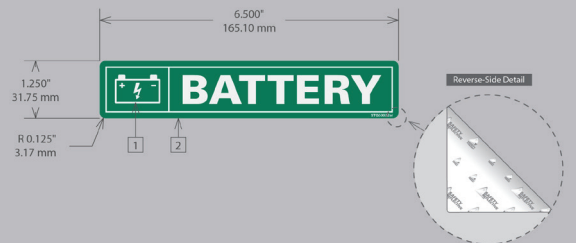
1 PER BUS

DESCRIPTION: ANSI BATTERY DISCONNECT SWITCH INSIDE**SIZE:** 7" X 5"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53029SR**

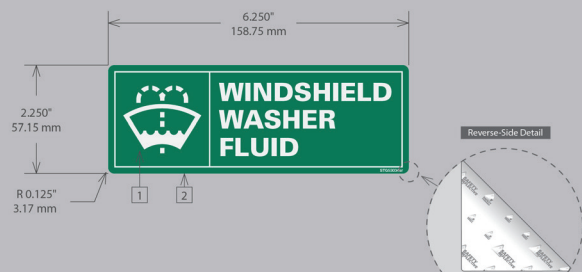
1 PER BUS

DESCRIPTION: ANSI BUS MAKES FREQUENT STOPS**SIZE:** 19.75" X 7"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53030SR**

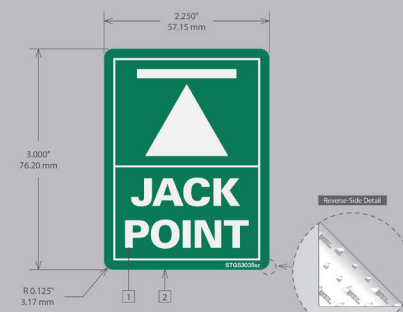
1 PER BUS

DESCRIPTION: ANSI IF YOU CANNOT SEE MIRRORS**SIZE:** 33.509" X 3.50"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53032SR**

1 PER BUS

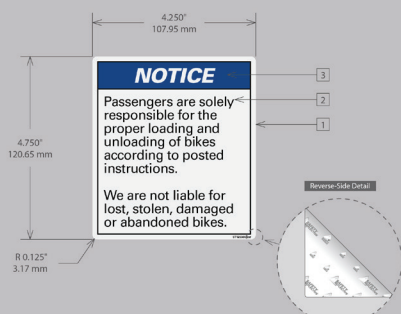
DESCRIPTION: ANSI BATTERY**SIZE:** 6.5" X 1.25"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53034SR**

1 PER BUS

DESCRIPTION: WINDSHIELD WASHER FLUID**SIZE:** 2.25" X 2.25"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53035SR**

10 PER BUS

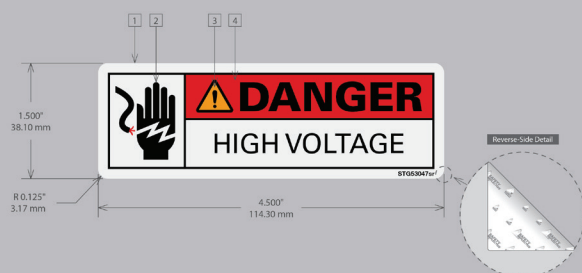
DESCRIPTION: ANSI JACK POINT**SIZE:** 2.25" X 3"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL

**STG53036SR**

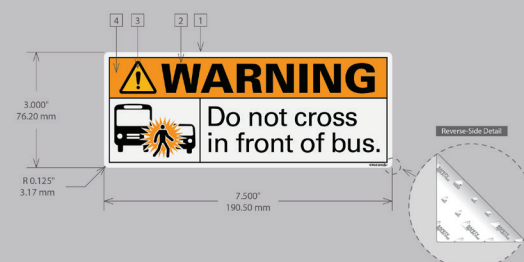
1 PER BUS

DESCRIPTION: ANSI YOUR BIKE YOUR RESPONSIBILITY**SIZE:** 4.25" X 4.75"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53045SR**

1 PER BUS

DESCRIPTION: CAUTION STAND CLEAR BUS KNEELS**SIZE:** 7.5" X 3"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53047SR**

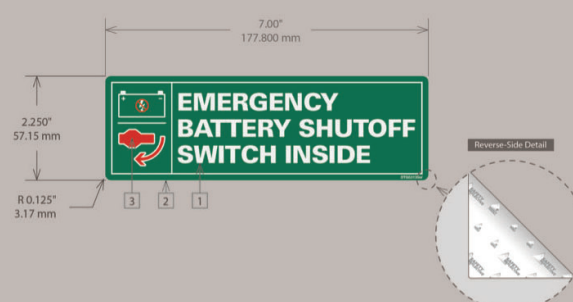
4 PER BUS

DESCRIPTION: ANSI HIGH VOLTAGE**SIZE:** 4.5" X 1.5"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53052SR**

1 PER BUS

DESCRIPTION: ANSI DO NOT CROSS IN FRONT OF BUS**SIZE:** 7.5" X 3"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53053SR**

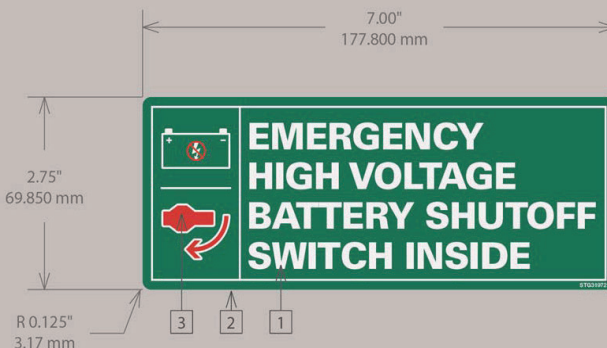
4 PER BUS

DESCRIPTION: ANSI AIR TANK DRAIN**SIZE:** 3.25" X 2.25"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53135**

1 PER BUS

DESCRIPTION: Emergency Battery Shutoff**SIZE:** 7" X 2.25"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG53134**

2 PER BUS

DESCRIPTION: Charging Compartment Door**SIZE:** 6.25" X 2.25"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL**STG31972**

1 PER BUS

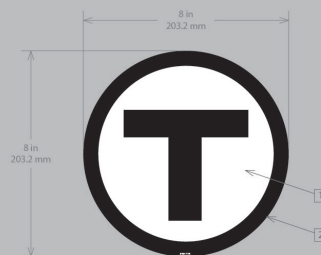
DESCRIPTION: Emergency High Voltage Battery Shutoff**SIZE:** 7" X 2.75"**FINISH/MATERIAL:** STG SAFETY REFLECTIVE DECAL



ELECTRIC BUS

LIVERY/LOGOS

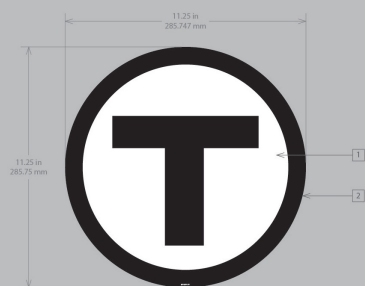
STANDARD DECAL KIT

**STG16707**

1 PER BUS

DESCRIPTION: WWW.MBTA.COM**SIZE:** 28.67" X 2.63"**FINISH/MATERIAL:** GLOSS VINYL DECAL**STG17176**

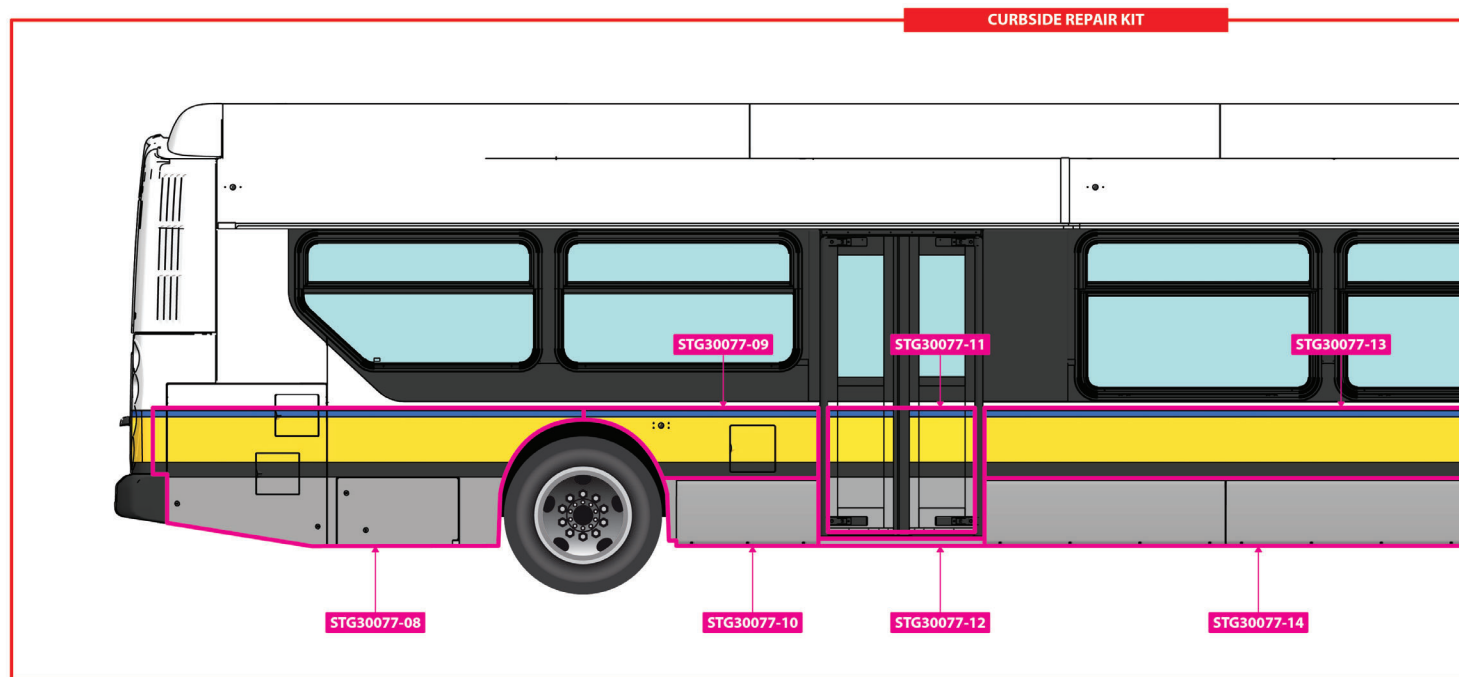
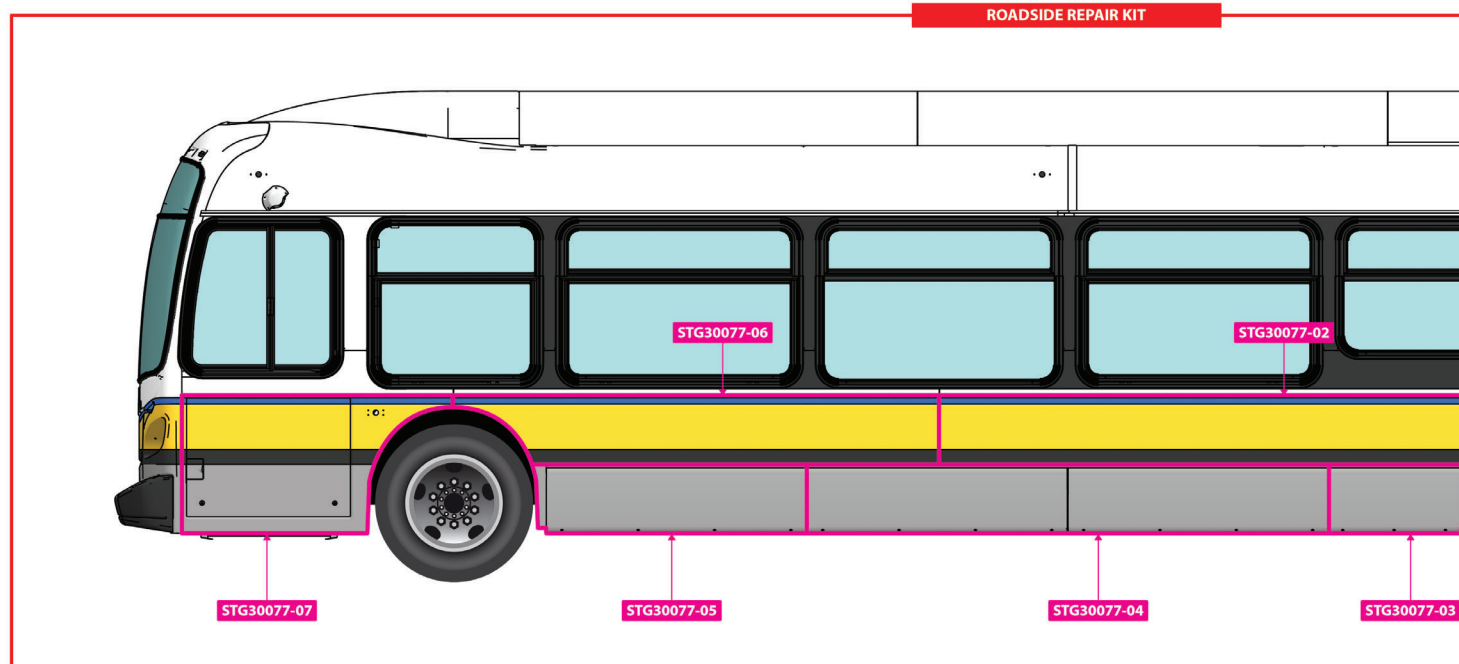
1 PER BUS

DESCRIPTION: MBTA - T LOGO**SIZE:** 8"**FINISH/MATERIAL:** GLOSS VINYL DECAL**STG17177**

3 PER BUS

DESCRIPTION: MBTA - T LOGO**SIZE:** 11.25"**FINISH/MATERIAL:** GLOSS VINYL DECAL

EXTERIOR BRANDING

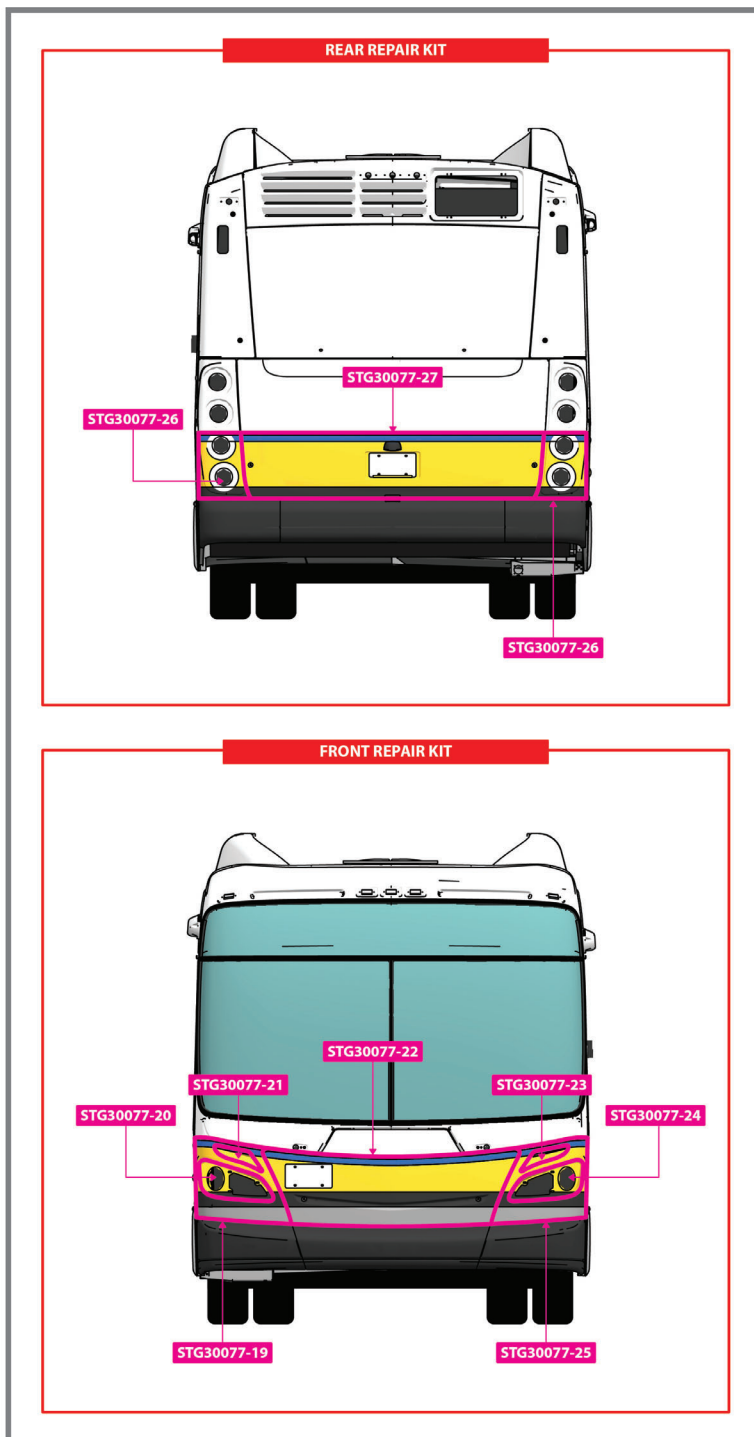
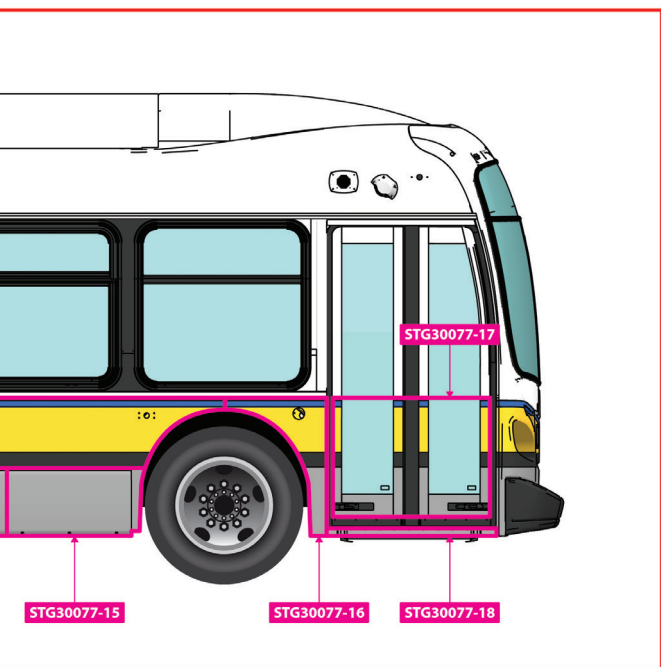
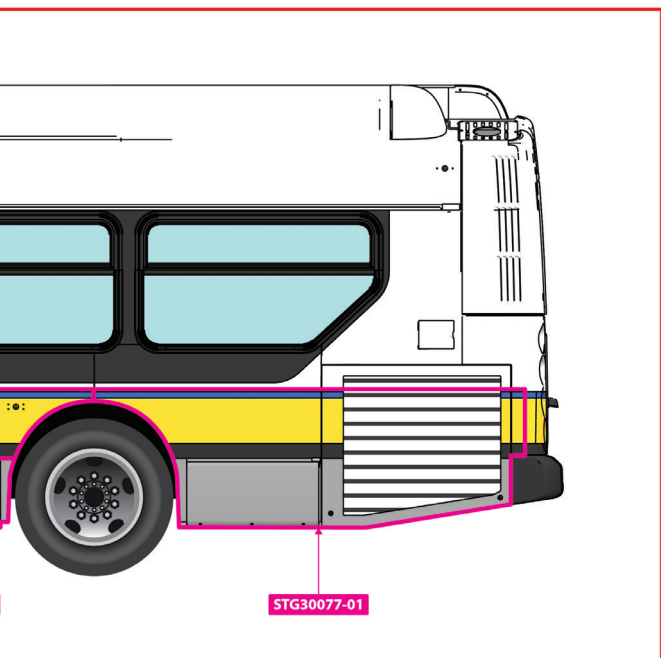


KEY:

STG30077 = MASSACHUSETTS BAY TRANSPORTATION AUTHORITY NEW FLYER 40' BRANDING - STRIPING KIT



Massachusetts Bay
Transportation Authority





ELECTRIC BUS